

VideoVision Studio

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To plug into the future of desktop video, plug into VideoVision Studio™, the world's leading Macintosh video editing system. With JPEG hardware compression and decompression for full-screen, full-motion video recording and playback from a hard disk, VideoVision Studio combines the power and flexibility of the Macintosh and the Power Macintosh with the ease and transportability of video tape.

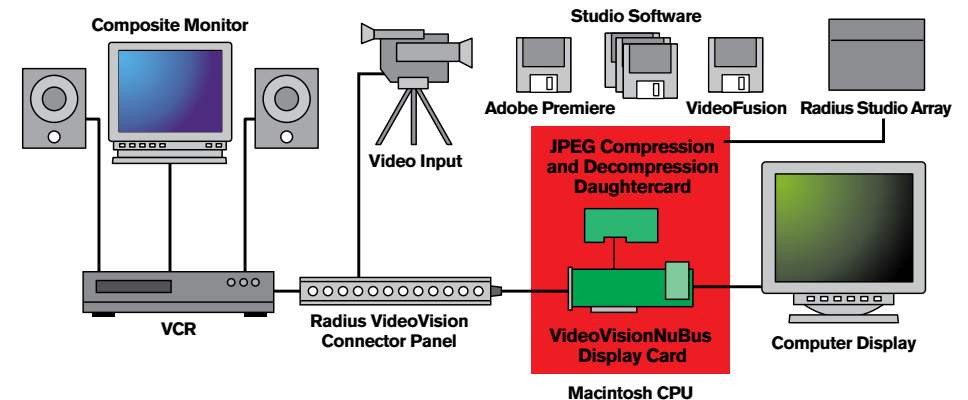
With a JPEG-compression card, VideoVision Studio gives you 30 frames per second at 640 by 480 resolution¹. Complete with full 60 fields per second — and no tricks like line doubling that throw away half the video information. All with compression ratios from 4:1² to 50:1.

And VideoVision Studio is 100% QuickTime-compatible, so it works with literally hundreds of applications. That means you can use VideoVision Studio to create powerful graphic-rich videos and compelling multimedia presentations. Or do off-line editing with software like Adobe Premiere (which we include). You have the power and flexibility to complete projects or to push the limits in your rough cut before you put on the finishing touches.

And since it's all built on core VideoVision® technology, if you have a VideoVision basic card, you can add the latest technology without sacrificing your initial investment. Just plug in the new add-on card. It doesn't even take up an additional NuBus slot.

¹ Or 25 fps at 768 x 576 resolution in PAL format. ² Highest performance on the top of the line Macintosh CPU's with our Studio Array storage solution.

Typical System Setup



The Professional Macintosh Digital Video System

High-Performance Digital Video Compression

With VideoVision Studio, you can record full-screen, full-motion, 60 field-per-second, digital video input and output to and from your hard disk. VideoVision Studio delivers unsurpassed real-time hardware-accelerated JPEG compression and decompression of each individual video frame, so you can perform non-linear, frame-accurate digital video editing. VideoVision Studio also digitizes stereo audio simultaneously and stores it with the video for easier input and editing.

Broadcast-Quality Video

VideoVision Studio can deliver broadcastable quality video output in NTSC and PAL timings. Using the RGB component cable, VideoVision Studio produces an RGB output signal that can run directly through a broadcast encoder.

External Connector Panel

VideoVision Studio gives you more ways to plug into desktop digital video with our external connector panel. The unique panel provides 15 different connectors for multiple input and output options, plus audio mix connections.

Flicker-free Print to Tape

VideoVision Studio allows you to record flicker-free video presentations and animations to video tape in real time. Which makes it easy to get approvals and generate presentations quickly.

On-board International Standards Conversion

VideoVision Studio offers on-board standards conversion to give you easy access to video standards from around the world, as well as easy conversion from one format to another.

Deck Control

VideoVision Studio includes professional VTR deck control software and cabling to allow you to speed through batch captures and edits with accuracy.



Variable Window Resizing

VideoVision Studio lets you customize the size of your video windows without sacrificing quality. That way you can explore the possibilities for creative broadcast designs, presentations, videos, kiosks, and any other projects you're working on. You can also change your Macintosh monitor's resolution "on-the-fly" so you can optimize your system for each project.

24-bit Video Quality Even With 8-bit Displays

VideoVision Studio lets you input and edit movies in 24-bit color, even if your display is in 8-bit color mode. This allows you to work faster in 8-bit color without sacrificing quality.

Designed to Grow With the Latest Technologies

VideoVision Studio is built on the H-Bus and R-Bus Architecture, which supports the potential for future add-ons such as alternative video-compression algorithms, special effects, titling, and chromakey capabilities. VideoVision Studio also includes an expansion port, which supports genlock and possible add-ons such as a tuner module and external device control. And with PowerMac 8100 and 9150 support, you get much faster results when you do complex graphics and special effects.

Side A

VideoVision Studio

System Requirements

VideoVision Studio consists of a video interface card, a JPEG-compression and decompression daughter card, a connector panel for external video and audio connections, and comprehensive software controls. It requires a Power Macintosh 8100 or 9150, an Apple Macintosh Quadra or II (NuBus) series, or Centris 650 computer with System 7.01 or later and 8MB or more of RAM. For optimum performance 32-bit addressing is recommended, with 20MB or more of RAM and a 1GB or larger hard disk.

Specifications

Capture and Compression³

Adaptive JPEG algorithm delivers variable compression ratios of 4:1⁴ to 50:1 while adjusting image compression on the fly to deliver maximum quality at a given data rate.

Capture and Replay - NTSC	30 frames per second	640 x 480 at 24-bits
Capture and Replay - PAL	25 frames per second	768 x 576 at 24-bits
Audio Capture	8-bit stereo or mono @ 11 or 22 KHz	
Recommended configurations for compression and playback		
640 x 480 x 60 fields/sec.	• Highest quality, 5+MB/second	PowerMac 8100/9150, 840 AV Quadra 950 and StudioArray
	• High quality, 2MB/second	Quadra and 2 to 5GB disk array
	Normal quality, 1.3MB/second	Centris and SCSI-2 1GB disk

640 x 480 x 60 fields/sec. (horizontal interpolated)	High quality, 1.5MB/second	Centris and SCSI-2 1GB disk
	Medium quality, 1MB/second	Centris and 500MB disk

Power Consumption	+5 volts, 4.0 amperes max., +12 volts, 0.5 amperes max. -12 volts, 0.1 amperes max.
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Bundled Software Adobe Premiere, VideoFusion, Apple QuickTime, ProVTR cabling and software, ALSoft DiskExpress II, hard disk optimization software, Radius VideoVision desktop video utilities software

Regulatory FCC Class B (pending)

Warranty The Radius worry-free warranty, on-site, overnight warranty (U.S. Only)

Product Number **Radius VideoVision Studio** – 0500
Radius VideoVision Studio 2.0 Upgrade – 0505 (JPEG add-on card only)
RGB Component and Genlock Cable Kit – 637-0006-01
Studio 2.0 upgrade service Kit - 630-0562-01 (for current Studio 1.0 users only)

³ System performance may vary depending upon hardware and system configuration.
⁴ Highest performance on the top of the line Macintosh CPU's with our StudioArray storage solution.

For the Radius Authorized Reseller or Distributor nearest you, call (800) 227-2795 (U.S. & Canada only)

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Connector Panel

Audio Mix In

200 mV stereo mixer line input
Two RCA jacks
0 dB line level input

Output

Composite Video
Sensed RCA jack
1V p-p into 75 ohms

Input 1

S-Video
Sensed mini-DIN 4 pin jack
1V p-p into 75 ohms, luminance
286 mV into 75 ohms, chrominance

Stereo Audio
Two RCA jacks
0 dB line level input

Input 2

Composite Video
Sensed RCA jack
1V p-p into 75 ohms

Expansion Port

Mini-DIN 8-pin jack (ver. B)
200 mV SMPTE linear-time-code input
(Time-code requires third-party software implementation)

Output

S-Video
Sensed mini-DIN 4 pin jack
1V p-p into 75 ohms, luminance
286 mV into 75 ohms, chrominance

Stereo Audio
Two RCA jacks
0 dB line level input
Adjustable audio output gain from -47 dB to +6 dB in 100 linear steps

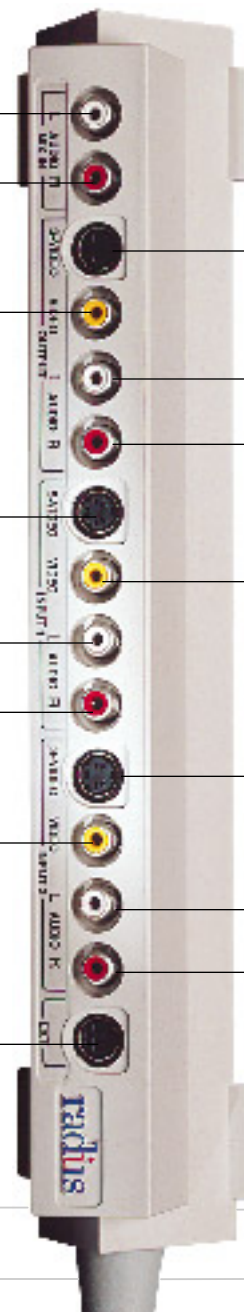
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Side E

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